Introduction to Remote Sensing for Air Quality Applications for the Indian Sub-Continent and Surrounding Regions

NASA Applied Remote SEnsing Training Program (ARSET)

Webinar Dates: March 19 – April 23, 2014
Every Wednesday, 6 webinars: one hour per week
7 AM EST (4:30 PM IST)

Registration: Course is free but you must register at the link shown below. Space is limited and preference will be given to agencies engaged in air quality management (non-academic institutions) in the Indian Sub-Continent. You will be notified by email if your registration has been approved before/by March 01, 2014.

Register here: https://attendee.gototraining.com/r/3301775500196006145

Information and Course Materials available at: http://airquality.gsfc.nasa.gov

Course Objectives: To introduce NASA and NOAA remote sensing data, provide demonstrations on how to access NASA data using web-based tools, and examples of how to use NASA data for air quality applications such as detecting dust storms and pollution from biomass burning.

Week #	Date	Title	Topics	Tools/Demo
1	March 19, 2014	Course overview and Introduction to Satellite Remote Sensing	Introduction to the ARSET Program, Satellite remote sensing, Satellites, and Air quality sensors	ARSET webpage walkthrough
2	March 26, 2014	Visible Satellite Imagery and Air Quality Applications	Information content, feature identification, image archives, dust and biomass cases	Rapid Response & Worldview
3	April 2, 2014	Introduction to Satellite Aerosol Products and how to access them	Aerosols monitoring with the MODIS, MISR, OMI, and VIIRS instruments	LADSWEB
4	April 9, 2014	Application of Satellite Data to Particulate, Smoke and Dust Monitoring	Satellite derived aerosol optical depth-PM2.5 relationships, Smoke and Dust detection examples for India	IDEA GIOVANNI
5	April 16, 2014	Application of Satellite Data to Gaseous Pollution monitoring	OMI NO2 & SO2 monitoring from the OMI instrument and their application	GIOVANNI GES-DISC, AVDC